Fig.1

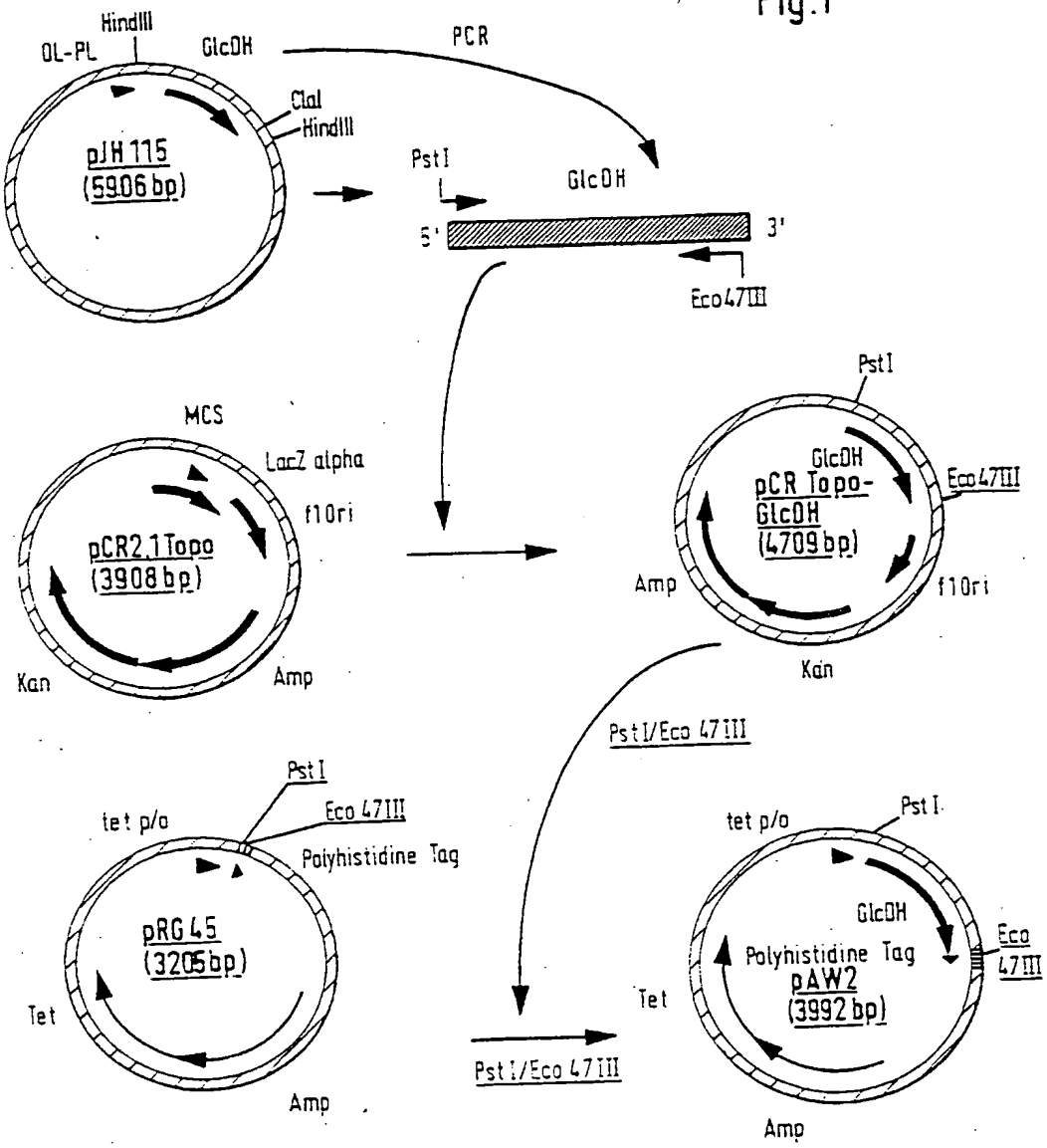

HindIII
OL-PL
GlcDH
PCR
ClaI
HindIII
pJH 115
(5906 bp)
PstI
GlcDH
5'
3'
Eco47III
MCS
LacZ alpha
f1Ori
pCR2.1Topo
(3908 bp)
Kan
Amp
PstI
GlcDH
pCR Topo-
GlcDH
(4709 bp)
Eco47III
Amp
f1Ori
Kan
PstI/Eco 47III
PstI
tet p/o
Eco 47III
Polyhistidine Tag
pRG 45
(3205 bp)
Tet
Amp
PstI/Eco 47III
tet p/o
PstI
GlcDH
Polyhistidine Tag
pAW2
(3992 bp)
Eco
47III
Tet
Amp

Fig.2

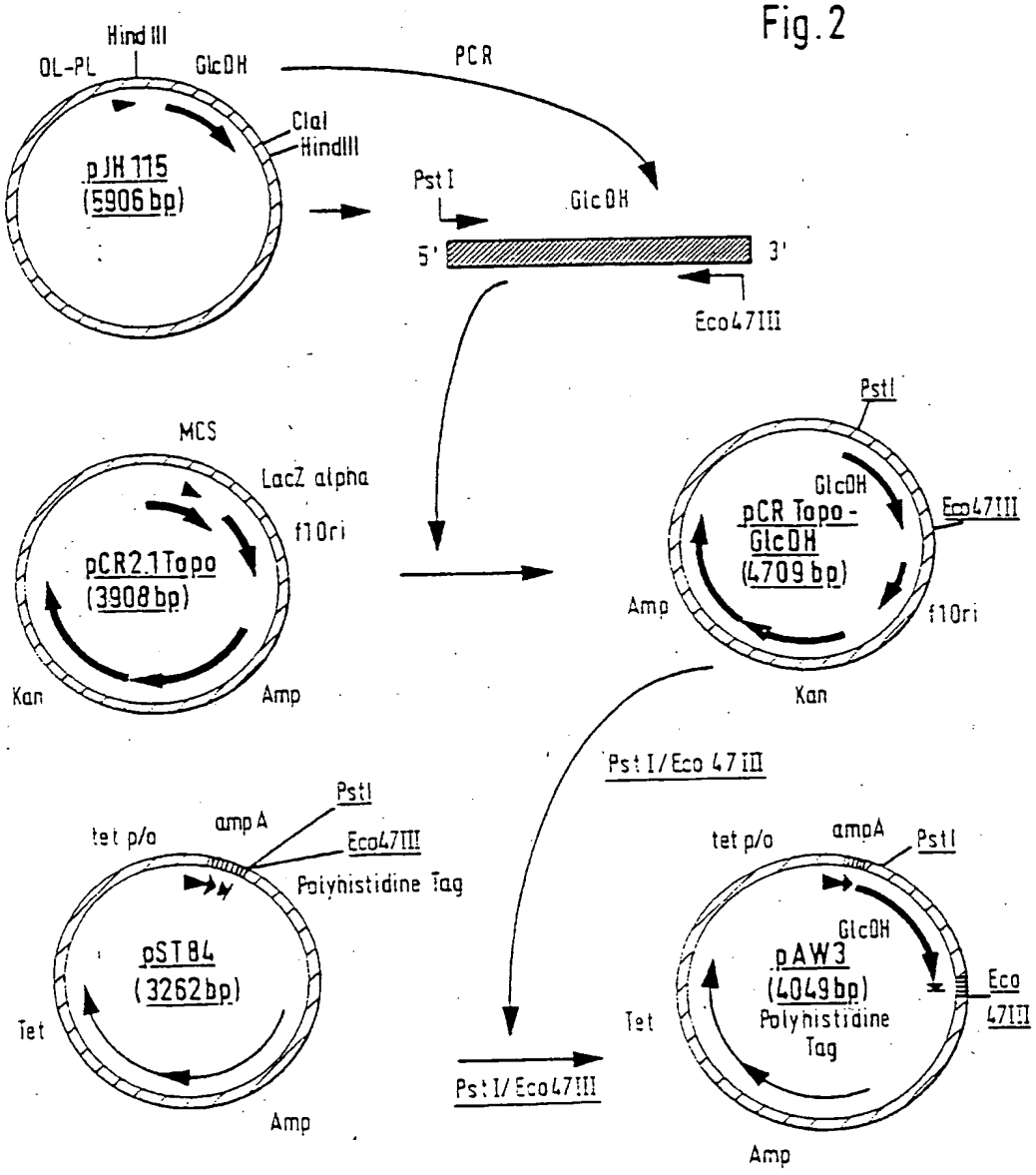

HindIII
OL-PL
GlcDH
PCR
ClaI
HindIII
pJH 115
(5906 bp)
PstI
GlcDH
5'
3'
Eco47III
MCS
LacZ alpha
f1Ori
pCR2.1Topo
(3908 bp)
Kan
Amp
PstI
GlcDH
Eco47III
pCR Topo-
GlcDH
(4709 bp)
Amp
f1Ori
Kan
PstI/Eco 47iII
PstI
ampA
tet p/o
Eco47III
Polyhistidine Tag
pST84
(3262 bp)
Tet
Amp
PstI/Eco47III
tet p/o
ampA
PstI
GlcDH
pAW3
(4049 bp)
Polyhistidine
Tag
Eco
47II
Tet
Amp

Fig.3

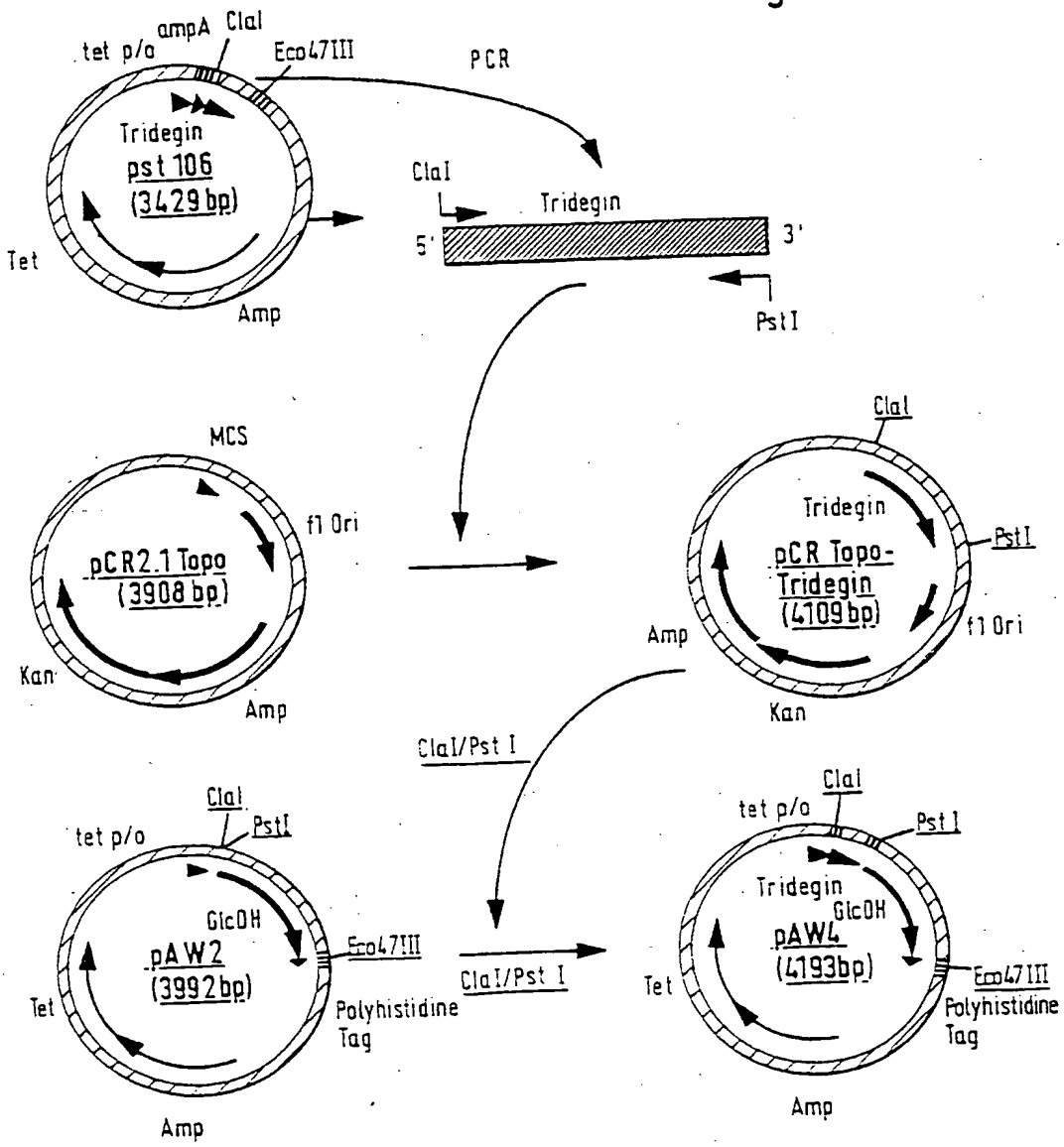

tet p/o
ampA
ClaI
Eco47III
PCR
Tridegin
pst 106
(3429 bp)
Tet
Amp
ClaI
Tridegin
5'
3'
PstI
MCS
f1 Ori
pCR2.1 Topo
(3908 bp)
Kan
Amp
ClaI
Tridegin
PstI
pCR Topo-
Tridegin
(4109 bp)
Amp
f1 Ori
Kan
ClaI/Pst I
ClaI
PstI
tet p/o
GlcOH
pAW2
(3992 bp)
Eco47III
Tet
Polyhistidine
Tag
Amp
ClaI/Pst I
ClaI
tet p/o
Pst I
Tridegin
GlcOH
pAW4
(4193bp)
Tet
Eco47III
Polyhistidine
Tag
Amp

Fig. 4

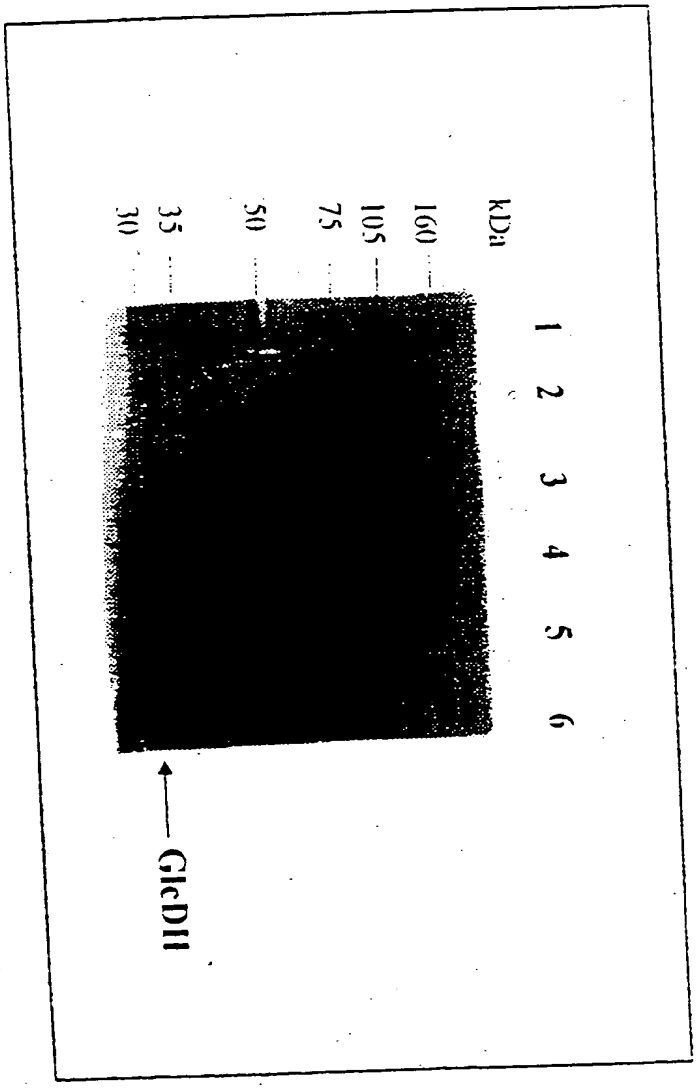


Fig. 5

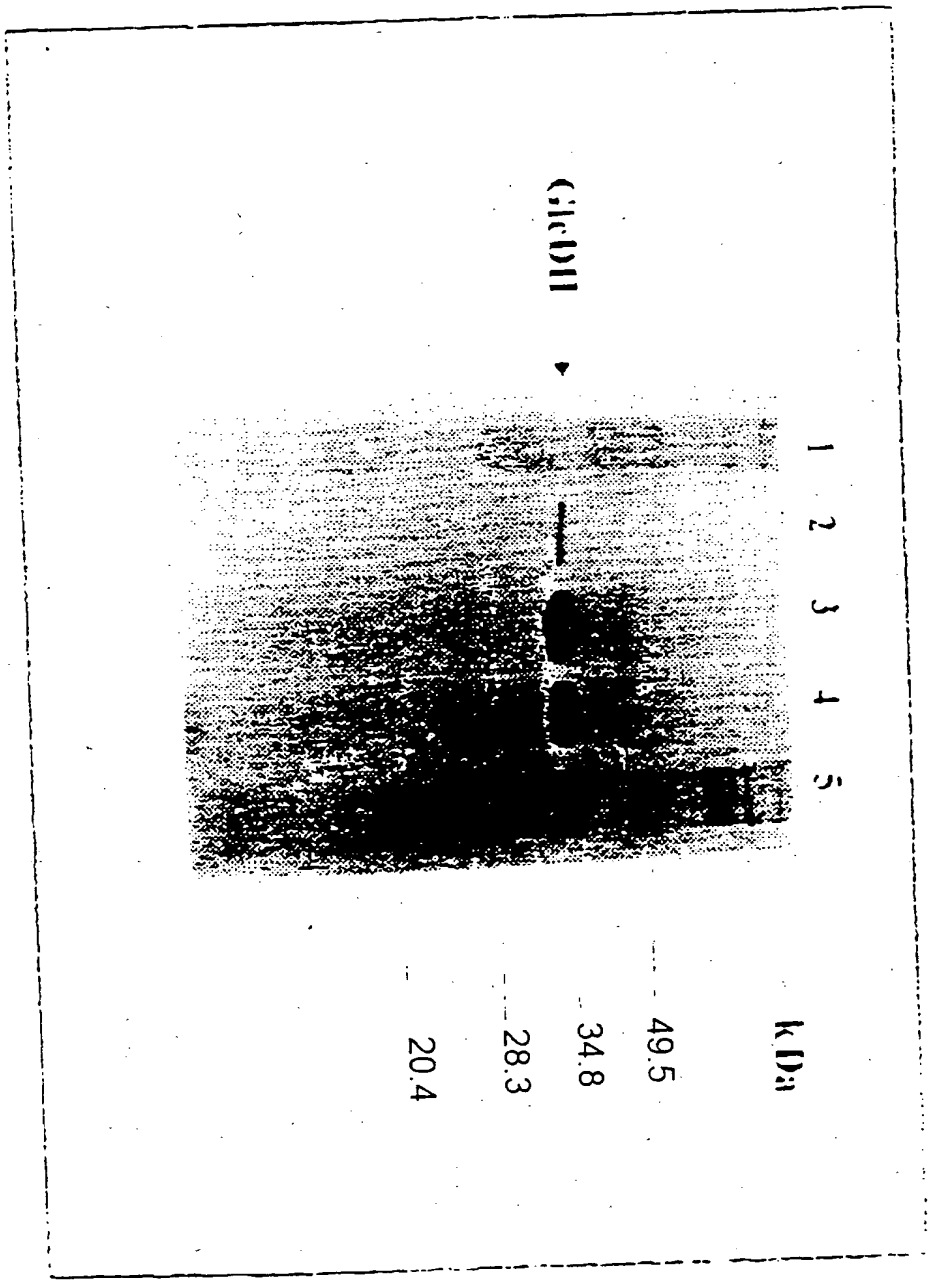


Fig. 6

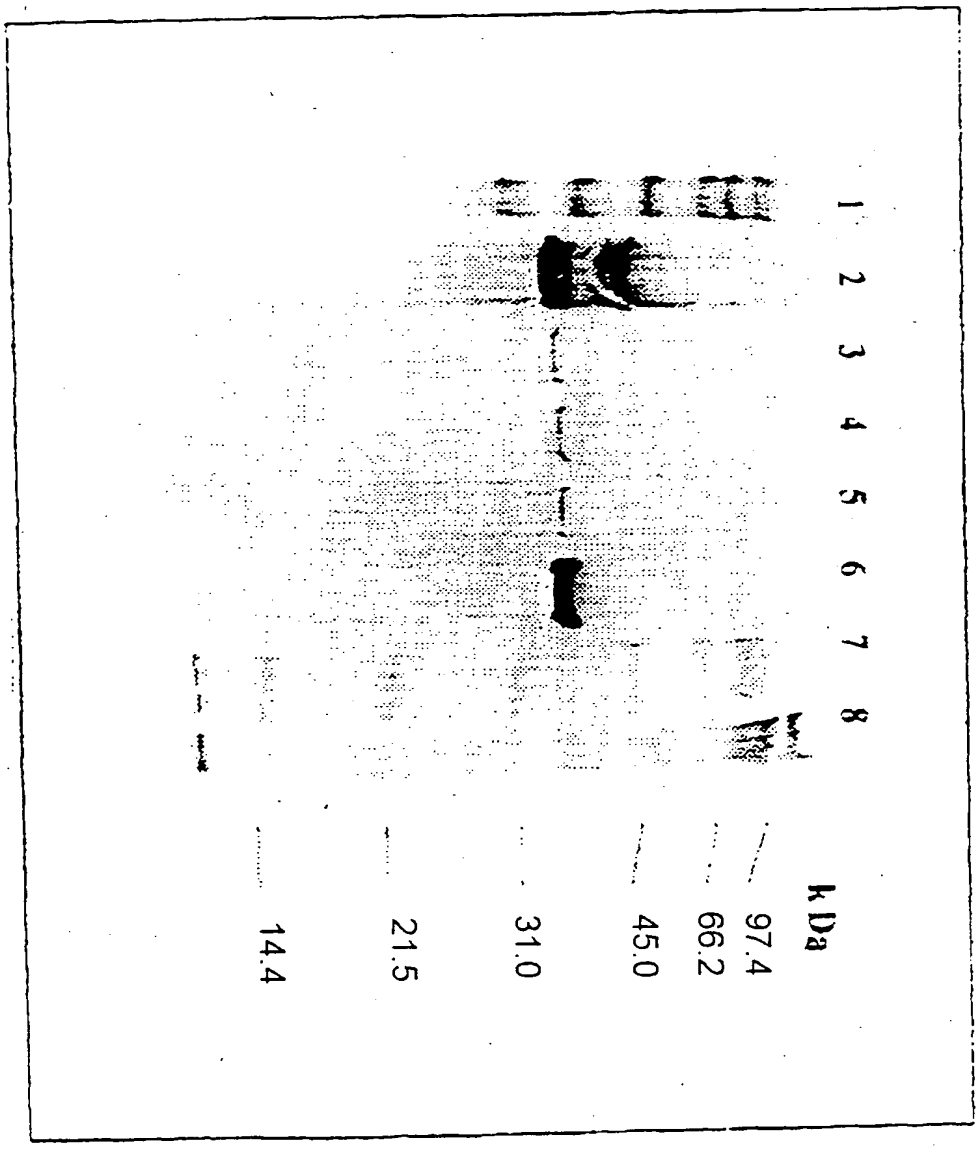


Fig. 7

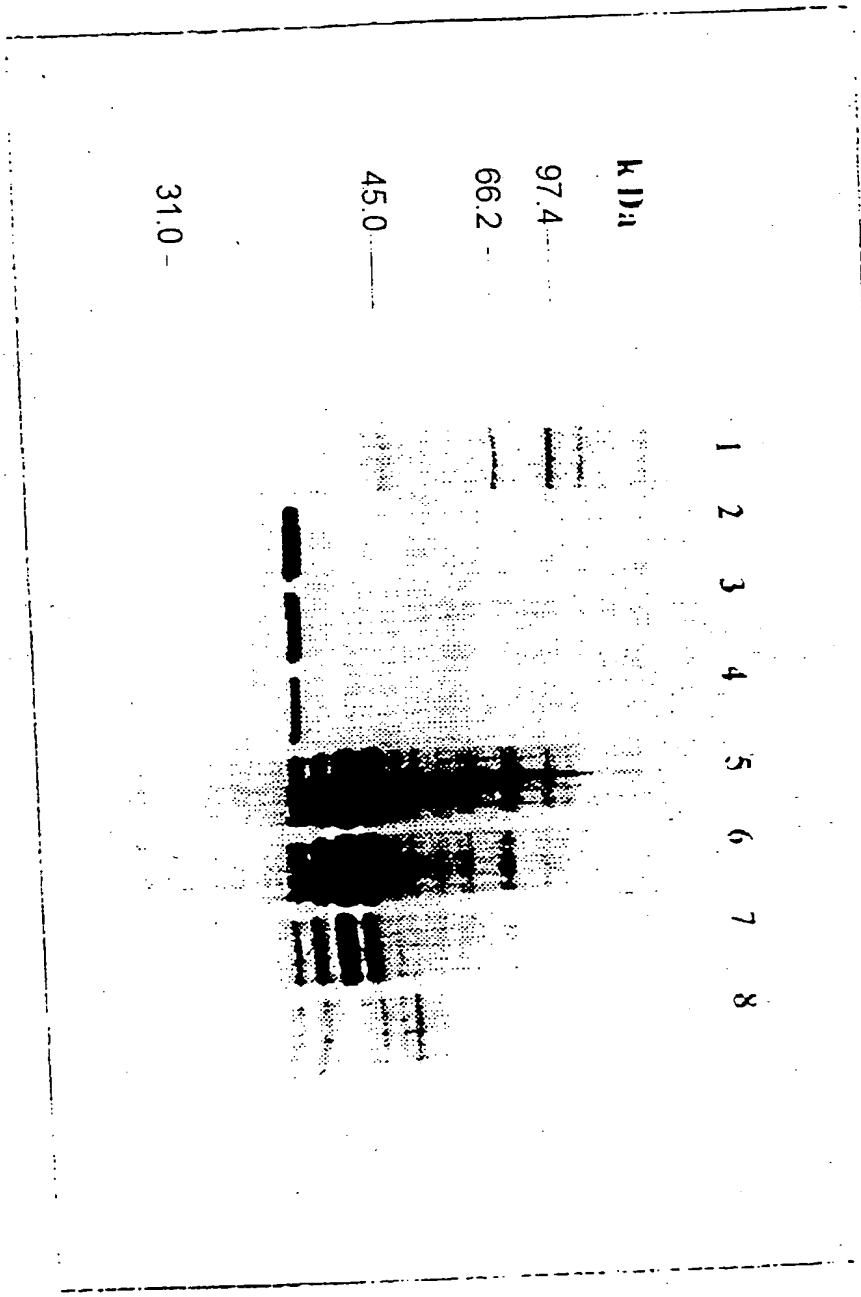
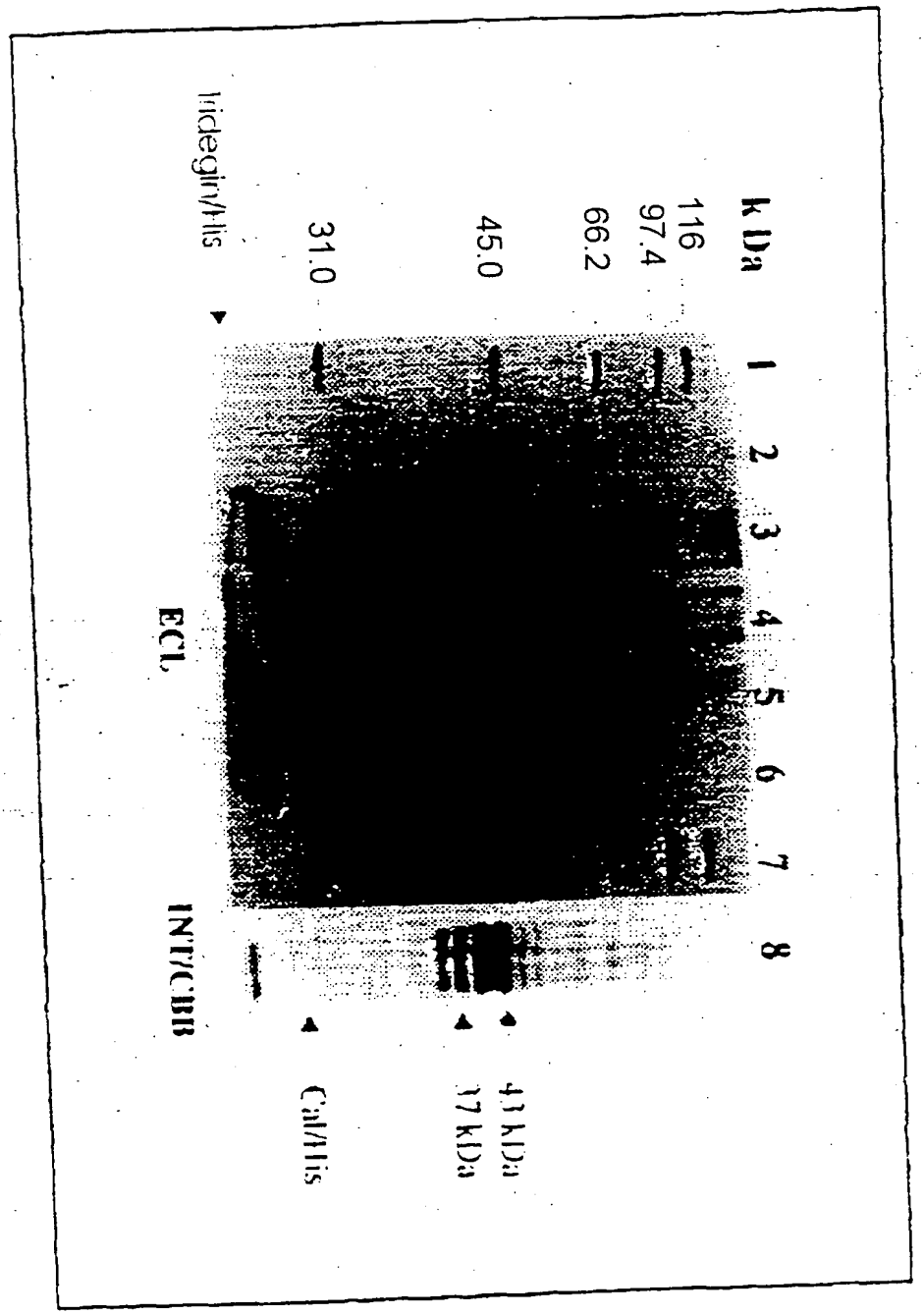


Fig. 8


kDa
116
97.4
66.2
45.0
31.0
1 2 3 4 5 6 7 8
Hideglir/His
ECL
INT/CBB
41 kDa
17 kDa
Cal/His

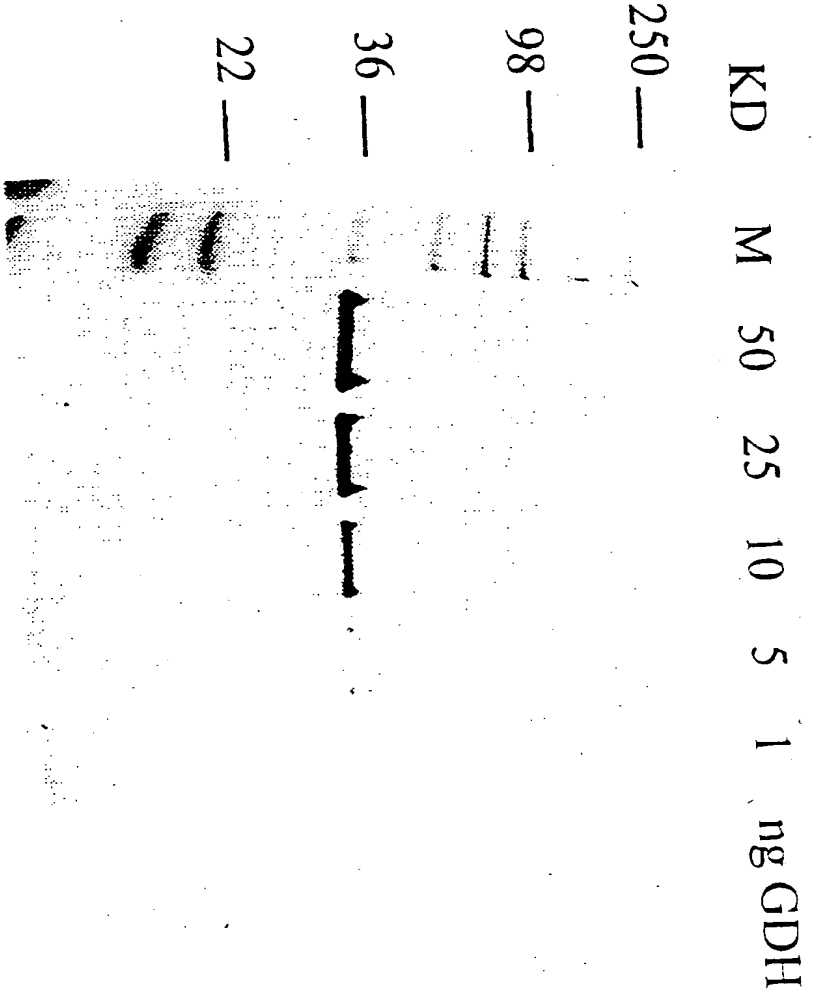



Fig. 9